

**Harvard Medical School Department of  
Continuing Education and the Cardiovascular  
Division of the Department of Medicine,  
Brigham and Women's Hospital**



***Cardiology Rounds***  
**June/July 2005**

**Proteomics and Cardiovascular Biomarker Discovery**

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**Objectives:**

This issue of *Cardiology Rounds* will help the reader to:

- Understand proteomics as a new field of study
- Describe the key aspects of a proteomics experiment
- Be familiar with the recent clinical applications of proteomics, especially in the field of cardiovascular medicine

**Questions**

1. The human proteome is less complex than the human genome.  
True       False
2. The 2 most abundant circulating proteins comprise approximately 33% of the plasma proteome mass.  
True       False
3. Examination of plasma will provide information on circulating proteins, but not on intracellular proteins.  
True       False
4. With current technologies, sample preparation is not needed before attempting protein separation and analysis.  
True       False
5. Mass spectrometry is the most sensitive and accurate technology for protein separation and analysis.  
True       False
6. Serial samples allow investigators to use each subject as their own biological control.  
True       False

7. Preliminary proteomics studies have recently revealed significant differences between patients with coronary artery disease and/or myocardial ischemia vs those without.

True       False

To receive AMA category 1 credit, you must correctly answer 60% of the test questions.

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This program was issued in June/July 2005. All tests must be returned by December 31, 2005.

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Please keep a copy of your test before submission. A certificate will be sent upon successful completion of the test, along with the answer key.

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